

PRELIMINARY

AUTHORIZATION FOR
BULLETIN: ECP # PE-29

SERVICE BULLETIN NO. T-32

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TITLE - Power Plug Relocation, Mark II Driftsight.

PURPOSE - To insure a more positive Power Plug coupling protected from accidental disengagement.

APPLICATION - All Mark II Driftsights.

WHEN TO BE DONE - As kits become available and operational requirements permit.

EST. MAN-HOURS TO COMPLETE - Eight Hours

KIT - Each kit, P/N 152-0088, consists of the following:

- (1) Receptacle, P/N 152-1589 (Bendix P/N PT02A-8-4P)
- (2) Plug, P/N 152-1590, (Bendix P/N PT06A-8-4S(SR))
- (3) Gasket, P/N 152-1593, (Bendix P/N 10-101949-8)
- (4) Plate, P/N 152-1594
- (5) Gasket, P/N 152-1595
- (6) Harness, P/N 152-0089
- (7) Hardware
 - (a) #4-40 x 3/16 lg Flat-Head screws (4)
 - (b) #6-32 x 5/16 lg Fillister-Head screws (18)
 - (c) #2-56 x 3/8 lg Round-Head screws (4)
 - (d) #4-40 x 1/4 lg Fillister-Head screws (4)

APPROX. AVAILABILITY DATE OF KIT AT DEPOT - Four weeks from Approval ECP-29.

WEIGHT AND BALANCE CHANGE - Negligible

WR'S THIS BULLETIN CORRECTS - None

MODIFICATION TO BE PERFORMED BY - Field Activity

SPECIAL EQUIPMENT SUPPLIED BY CONTRACTOR -

- (1) Drill Template
- (2) #4-40 Tap
- (3) #43 Drill
- (4) 15/32 Drill
- (5) 1/4 Drill

DISPOSITION OF SPARES AFFECTED - None

DISPOSITION OF SPARES REMOVED - None

DESCRIPTION OF CHANGE -

- (1) Remove the eighteen (18) #6-32 Fillister Head screws holding P/N 152-1171 Housing, Power Changer.

DESCRIPTION OF CHANGE (Cont'd) -

- (2) Lift the cover and "snip" (close to the connector) the three (3) wires soldered to the connector.
- (3) Remove the Housing.
- (4) Remove P/N 152-1172 Connector Plate and P/N 152-1173 Gasket from the Housing by removing four (4) #4-40 x 3/16 Flat Head screws.
- (5) Clamp Drill Template to motor end of Housing with hole pattern in upper left hand corner.
- (6) Drill four #43 dia. holes and one 1/4" dia. hole through Housing.
- (7) Remove Template.
- (8) Drill 15/32" dia. hole through Housing using 1/4" dia. hole as pilot.
- (9) Tap four #43 dia. holes using #4-40 tap.
- (10) Install P/N 152-1294 Plate and P/N 152-1173 Gasket to Housing using four (4) #4-40 x 3/16" Flat Head screws.
- (11) Remove two (2) microswitches and associated wiring.
- (12) Remove cover from motor and unsolder black and red leads noting respective terminals used.
- (13) Install new microswitches of harness using #2-56 x 3/8" lg. Round Head screws.
- (14) Solder red wire of harness to motor terminal, referring to step (12).
- (15) Solder short length of black wire to motor terminal, referring to step (12).
- (16) Replace motor cover.
- (17) Lace black wire from motor to yellow and orange wires of harness.
- (18) Thread the three wires through the 15/32" dia. hole in Housing and the P/N 152-1593 Gasket.
- (19) Solder the orange wire to pin "A"; the black wire to pin "B"; and the yellow wire to pin "C" of Receptacle P/N 152-1589.
- (20) Slide the harness sleeving over the terminals.
- (21) Install the Receptacle and Gasket to the Housing, positioning the trademark "Bendix" at the top, using four (4) #4-40 Fillister Head screws.
- (22) Reinstall Housing using eighteen (18) #6-32 x 5/16" lg. Fillister Head screws being careful not to pinch the harness wires between the